

WHAT IS CLAIMED IS:

1. A code division multiple access (CDMA) system comprising:
a base station operating to support a basic chip rate, a forward channel link chip rate, and a reverse channel link chip rate; and
a mobile station in electronic communication with said base station, said mobile station communicating with said base station so as to independently adjust the values of said forward channel link chip rate and said reverse channel link chip rate.
2. The CDMA system set forth in claim 1, wherein said forward channel link chip rate is less than or equal to a maximum forward value allowed by said base station.
3. The CDMA system set forth in claim 1, wherein said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said base station.
4. The CDMA system set forth in claim 1, wherein said forward channel link chip rate and said reverse channel link chip rate are equal.
5. The CDMA system set forth in claim 1, wherein said basic chip rate, said forward channel link chip rate, and said reverse channel link chip rate are equal.

1 6. The CDMA system set forth in claim 2, wherein said base
2 station transmits the maximum forward value to said mobile
3 station.

1 7. The CDMA system set forth in claim 3, wherein said base
2 station transmits the maximum reverse value to said mobile
3 station.

1 8. The CDMA system set forth in claim 1, wherein said
2 forward channel link chip rate is less than or equal to a
3 maximum forward value allowed by said mobile station.

1 9. The CDMA system set forth in claim 1, wherein said
2 reverse channel link chip rate is less than or equal to a
3 maximum reverse value allowed by said mobile station.

1 10. The CDMA system set forth in claim 8, wherein said mobile
2 station transmits the maximum forward value to said base
3 station.

1 11. The CDMA system set forth in claim 9, wherein said mobile
2 station transmits the maximum reverse value to said base
3 station.

1 12. A method of operating a CDMA system comprising the steps
2 of:

3 setting up a call to a base station operating to support
4 a basic chip rate, a maximum forward channel link chip rate,
5 and a maximum reverse channel link chip rate by paging said
6 base station with a mobile station;

7 requesting a desired forward channel link chip rate from
8 said base station by said mobile station;

9 transmitting said maximum forward channel link chip rate
10 to said mobile station from said base station;

11 transmitting a revised forward channel link chip rate to
12 said base station from said mobile station;

13 transmitting a start message to said mobile station from
14 said base station; and

15 communicating with said base station using said revised
16 forward channel link chip rate.

1 13. The method of operating a CDMA system as set forth in
2 claim 12 wherein said revised forward channel link chip rate
3 is equal to said basic chip rate.

1 14. The method of operating a CDMA system as set forth in
2 claim 12 wherein said revised forward channel link chip rate
3 is equal to said maximum forward channel link chip rate.

1 15. The method of operating a CDMA system as set forth in
2 claim 12, further comprising the steps of:

3 requesting a desired reverse channel link chip rate from
4 said base station by said mobile station;

5 transmitting said maximum reverse channel link chip rate
6 to said mobile station from said base station;
7 transmitting a revised reverse channel link chip rate to
8 said base station from said mobile station; and
9 communicating with said base station using said revised
10 reverse channel link chip rate.

1 16. The method of operating a CDMA system as set forth in
2 claim 15 wherein said revised reverse channel link chip rate
3 is equal to said basic chip rate.

4 17. The method of operating a CDMA system as set forth in
5 claim 15 wherein said maximum reverse channel link chip rate
6 is equal to said basic chip rate.

7 18. The method of operating a CDMA system as set forth in
8 claim 15 wherein said basic chip rate is equal to said revised
9 forward channel link chip rate and said revised reverse
10 channel link chip rate.

1 19. The method of operating a CDMA system as set forth in
2 claim 15 wherein said basic chip rate is equal to said maximum
3 forward channel link chip rate and said maximum reverse
4 channel link chip rate.

1 20. A method of operating a CDMA system comprising the steps
2 of:

3 setting up a call to a mobile station operating to
4 support a basic chip rate, a maximum forward channel link chip
5 rate, and a maximum reverse channel link chip rate by paging
6 said mobile station with a base station;

7 requesting a desired forward channel link chip rate from
8 said mobile station by said base station;

9 transmitting said maximum forward channel link chip rate
10 to said base station from said mobile station;

11 transmitting a revised forward channel link chip rate to
12 said mobile station from said base station;

13 transmitting a start message to said base station from
14 said mobile station; and

15 communicating with said mobile station using said revised
16 forward channel link chip rate.

17 21. The method of operating a CDMA system as set forth in
18 claim 20 wherein said revised forward channel link chip rate
19 is equal to said basic chip rate.

20 22. The method of operating a CDMA system as set forth in
21 claim 20 wherein said revised forward channel link chip rate
22 is equal to said maximum forward channel link chip rate.

23 23. The method of operating a CDMA system as set forth in
24 claim 20, further comprising the steps of:

25 requesting a desired reverse channel link chip rate from
26 said mobile station by said base station;

5 transmitting said maximum reverse channel link chip rate
6 to said base station from said mobile station;

7 transmitting a revised reverse channel link chip rate to
8 said mobile station from said base station; and

9 communicating with said mobile station using said revised
10 reverse channel link chip rate.

1 24. The method of operating a CDMA system as set forth in
2 claim 23 wherein said revised reverse channel link chip rate
3 is equal to said basic chip rate.

1 25. The method of operating a CDMA system as set forth in
2 claim 23 wherein said maximum reverse channel link chip rate
3 is equal to said basic chip rate.

1 26. The method of operating a CDMA system as set forth in
2 claim 23 wherein said basic chip rate is equal to said revised
3 forward channel link chip rate and said reverse channel link
4 chip rate.

1 27. The method of operating a CDMA system as set forth in
2 Claim 23 wherein said basic chip rate is equal to said maximum
3 forward channel link chip rate and said maximum reverse
4 channel link chip rate.